

Work Order ID 161867

Tuesday, May 23, 2017 10:59:19 AM

161867

Page 1

Item ID: D412-702-071

Accept

N9000040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Comfort Crew Shoulder Harness

Start Date: 5/30/2017 Start Qty: 1.00

Required Date: 6/2/2017 Req'd Qty: 1.00

1 **2** **DAS**
21
9-89
1

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: 

Date: MAY 23 2017

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr	
IIN-D412-702-3	B	JUN 13 2017

100	Document Control	0.00
100	DOCUMENT CONTROL	
DC	Memo	0.00
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPPD412-702-071 CHG003	

105	Pick Kit	0.00
105		
Packaging	Memo	0.00
Packaging		

110	Pick Kit	0.00
110		
Packaging	Memo	0.00
Packaging		

2 **DAS**
27
9-89
JUN 13 2017**2** JUN 13 2017 **DAS** **DAS**
6 **28**
9-89**0** **DAS**
27
9-89
JUN 13 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

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Page 2

Item ID: D412-702-071

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Comfort Crew Shoulder Harness

Start Date: 5/30/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/2/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.03							
Quality Control									
130	Identify as per dwg & Stock Location: _____	0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-702-071 Location: <u>FG029</u>								
	QC21- Final Inspection - Work Order Release	0.00							
40*									
Control	Memo	0.10							

JUN 13 2017

DAS
21
9-89
JUN 13 2017DAS
21
9-89

JUN 14 2017

DAS
21
9-89

JUN 14 2017

WORK ORDER NON-CONFORMANCE / UPDATE

Work Order update only ☐

DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Rework	☐	Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐
Scrap	☐	Machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐
Use-as-is	☐	Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐
Suspected Unapproved	☐	Large Fab	☐	Composite	☐	Supplier	☐		

Step #:

QTY Effective :

MRB (QSI042) Approval

Description Work Order Deviation

Disposition

Completed By

Lead hand / Supervisor
Approval Verification

QC / QA Coordinator
Approval

Root Cause

FAULT CATEGORY

Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐								
Misidentified	☐	Past Due	☐	OTHER :							

Picklist Print

Tuesday, May 23, 2017 10:59:18 AM

Page 1

Work Order ID: 161867

161867

Parent Item: D412-702-071

D412-702-071

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 5/30/2017

Required Date: 6/2/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 11.03.01 new issue DD verf:EC
12.09.05 per DSI9612 DD verf:JFS

IPP Rev:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4305-041		Manufactured	No			110	Each	0.0000	1	12		JUN 13 2017	
D4305-041									**	161365			DAS 6 28 9-89 9-89
Shoulder Harness Assembly													
AN3-4A		Purchased	No			110	Each	415.0000	4	48			
AN3-4A									**			JUN 13 2017	DAS 6 28 9-89 9-89
Bolt													
					<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>						
					over003	400				8			
					m137478	400							
					ST350	15							
					m136579	15							
AN4-6A		Purchased	No			110	Each	1,158.000	2	24			
AN4-6A									**			JUN 13 2017	DAS 6 28 9-89 9-89
BOLT													
					<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>						
					over003	1000				4			
					M137320	400							
					M137464	600							
					ST345	158							
					M137178	158							

DAS
27
9-89

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐			
Misidentified ☐	Past Due ☐																																																																

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Tuesday, May 23, 2017 10:59:18 AM

Page 2

Work Order ID: 161867

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Parent Item: D412-702-071

D412-702-071

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 5/30/2017

Required Date: 6/2/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-10A Purchased No

110

Each

278.0000

2

AN3-10A

Bolt

**

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

60

m136787

60

over003

100

m137321

0

m137544

100

ST349

118

m137321

118

MS21042L3

Purchased

No

110

Each

1,931.000

6

MS21042L3

Nut

**

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK007

1000

m137495

1000

FP001

91

m135945

91

GA

460

m134360

102

M136665

358

ST303

380

m137321

380

DAS
27
9-89

12

JUN 13 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Tuesday, May 23, 2017 10:59:18 AM

Page 3

Work Order ID: 161867

161867

Parent Item: D412-702-071

D412-702-071

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 5/30/2017

Required Date: 6/2/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

3,454.000

2

24

MS21042L4

Nut

**

JUN 13 2017

DAS 6 28 9-89

Location

Loc Qty

Loc Code

FP001

10

m133363

10

GA

68

m135058

68

OVER007

2400

m137371

1000

m137402

400

m137544

1000

ST303

976

m137321

976

4

10-20

NAS1149D0332J

Purchased

No

110

Each

1,366.000

10

NAS1149D0332J

Washer

**

JUN 13 2017

DAS 6 28 9-89

Location

Loc Qty

Loc Code

FP

241

m136015

8

m137075

233

GA

332

m136643

332

ST264

793

m136015

0

m137412

793

20

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____							
Misidentified ☐	☐ Past Due								

Picklist Print

Tuesday, May 23, 2017 10:59:18 AM

Page 4

Work Order ID: 161867

161867

Parent Item: D412-702-071

D412-702-071

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 5/30/2017

Required Date: 6/2/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

110

Each

1,770.000

6

6-12

NAS1149D0363.I

Washer

**

JUN 13 2017

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

13

m134055

13

ST260a

1400

m137587

1400

ST263

357

m137164

357

110

Each

1,213.000

4

4-8

NAS1149D0432J

Purchased

No

NAS1149D0432.I

WASHER

**

JUN 13 2017

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

24

m131026

24

ST260a

1000

m137459

1000

ST264

189

m134676

189

110

Each

4,714.000

4

4-8

NAS1149D0463J

Purchased

No

NAS1149D0463.I

Washer

**

JUN 13 2017

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

48

M135056

48

ST260a

3000

M137371

2000

M137544

1000

ST263

1666

M137381

1666

Tuesday, May 23, 2017 10:59:18 AM

Shop Packet Print

Page 4

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-702-071 <i>Pilot/Co-pilot Shoulder Harness Kit</i>	-2.6 lb -1.2 kg	± 22.0 in ± 0.56 m	± 57.2 in lb ± 0.67 m kg	47.0 in 1.19 m	-122.2 in lb -1.43 m kg
D412-702-073 <i>Pilot/Co-pilot Shoulder Harness Kit</i>	-2.6 lb -1.2 kg	± 22.0 in ± 0.56 m	± 57.2 in lb ± 0.67 m kg	47.0 in 1.19 m	-122.2 in lb -1.43 m kg
D412-702-075 <i>Pilot/Co-pilot Shoulder Harness Kit</i>	-2.6 lb -1.2 kg	± 22.0 in ± 0.56 m	± 57.2 in lb ± 0.67 m kg	47.0 in 1.19 m	-122.2 in lb -1.43 m kg

5.0 PARTS LISTS

QTY -071	QTY -073	QTY -075	Part Number	Description
X			D412-702-071	Dart Pilot/Co-Pilot Shoulder Harness Kit
	X		D412-702-073	Dart Pilot/Co-Pilot Shoulder Harness Kit
		X	D412-702-075	Dart Pilot/Co-Pilot Shoulder Harness Kit
1			D4305-041	SHOULDER HARNESS
	1		D4305-043	SHOULDER HARNESS
		1	D4305-045	SHOULDER HARNESS
4	4	4	AN3-4A	BOLT
2	2	2	AN4-6A	BOLT
2	2	2	AN3-10A	BOLT
6	6	6	MS21042L3	NUT
2	2	2	MS21042L4	NUT
10	10	10	NAS1149D0332J	WASHER
6	6	6	NAS1149D0363J	WASHER
4	4	4	NAS1149D0432J	WASHER
4	4	4	NAS1149D0463J	WASHER

Work Order ID 161867

Tuesday, May 23, 2017 10:59:19 AM

161867

Item ID: D412-702-071

Accept

N900040100Setup Start ***NS1***Stop ***NS2***

Revision ID:

Item Name: Comfort Crew Shoulder Harness

Start Date: 5/30/2017 Start Qty: 1.00

Required Date: 6/2/2017 Req'd Qty: 1.00

Reference:

Cust Item ID:

Customer:

Run Start ***NR1***Stop ***NR2***

Approvals:

Process Plan:

Date: MAY 23 2017

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D412-702-3	B								
100	Document Control	0.00							
100	DOCUMENT CONTROL	0.00							
DC	Memo								
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPPD412-702-071 CHG003								
105	Pick Kit	0.00							
105		0.00							
Packaging	Memo								
Packaging									
110	Pick Kit	0.00							
110		0.00							
Packaging	Memo								
Packaging									

CB

JUN 13 2017

JUN 13 2017



Supplemental Type Certificate

This approval is issued to:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario
Canada K6A 1K7

Number: SH04-7

Issue No.: 3

Approval Date: February 06, 2004

Issue Date: March 09, 2006

Responsible Office:

Ontario

Aircraft/Engine Type or Model:

BELL 205A-1, 205B, 212, 214B, 214B-1, 412, 412 CF, 412 EP

Canadian Type Certificate or Equivalent:

BELL 205B H-104
BELL 214B, 214B-1 H-80
BELL 212, 412, 412 CF, 412 EP H-86
BELL 205A-1 H1SW

Description of Type Design Change:

Shoulder Harness Kits

**Installation/Operating Data,
Required Equipment and Limitations:**

Manufacture of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. MDL-D412-702, Revision B, approved Jan 17 2006, or later approved revisions.

Installation of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. IIN-D412-702, Revision C, approved Mar 07 2006, or later approved revision.

Maintenance of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. ICA-D412-702, Revision 2, Transport Canada accepted Mar 09 2006, or later Transport Canada accepted revisions.

Operation with the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. FMS-D412-702, Revision C, Transport Canada approved Mar 09 2006, or later Transport Canada approved revisions.

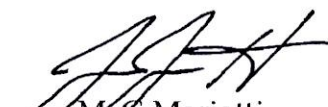
Basis of Certification:

The basis of certification for this modification was FAR 29, up to and including Amendment 29-47, except for 29.561, 29.562, and 29.785 at Amendment 29-11.

- End -

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated will not adversely affect the airworthiness of the modified product.




M. G. Mariotti
For Minister of Transport

Canada